

WHAT IS CLAIMED IS:

1. A toner for use in an image-forming apparatus
5 equipped with an oil-less fixing unit comprising a main
heating member and a pressing member, the main heating
member gets in contact with an unfixed toner surface on a
recording medium and fixes the unfixed toner at a nip part
of the main heating member and the pressing member, the
10 main heating member and the pressing member define a
boundary surface thereof, and the surface takes a
configuration protruding toward the pressing member side,
wherein the toner has a initial relaxation modulus G
($t=0.01$) (Pa) of the toner at 120°C, in relaxation time of
15 0.01 (sec), of G ($t=0.01$) [Pa] $\geq 1.0 \times 10^5$ [Pa].

2. The toner according to claim 1, wherein the
toner contains a release agent in an amount of 3 wt.% or
20 less.

3. A toner for use in an image-forming apparatus
equipped with an oil-less fixing unit comprising a main
25 heating member and a pressing member, the main heating

member gets in contact with an unfixed toner surface on a recording medium and fixes the unfixed toner at a nip part of the main heating member and the pressing member, the main heating member and the pressing member define a boundary surface thereof, the surface takes a configuration protruding toward the side of the main heating member, wherein the toner has a loss tangent $\tan\delta$ ($= G''/G'$) of the toner, a ratio of loss modulus G'' to storage modulus G' in dynamic relaxation modulus, of from 1.7 to 5.0 at 120°C.

4. The toner according to claim 4, wherein the toner contains a release agent in an amount of 3 wt.% or less.

5. A toner for use in an image-forming apparatus equipped with an oil-less fixing unit comprising a main heating member and a pressing member, the main heating member gets in contact with an unfixed toner surface on a recording medium and fixes the unfixed toner at a nip part of the main heating member and the pressing member, the main heating member and the pressing member define a boundary surface thereof, and the surface takes a

configuration of flat surface,

wherein the toner has a larger value of loss tangent $\tan\delta$ ($= G''/G'$) of the toner, the ratio of loss modulus G'' to storage modulus G' in dynamic relaxation modulus, at
5 180°C than a value of $\tan\delta$ at 110°C,

wherein the difference between the values of $\tan\delta$ at 180°C and 110°C is 1 or more.

10 6. The toner according to claim 5, wherein the toner contains a release agent in an amount of 3 wt.% or less.

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